

CLAIMS

1. A sub-ducting apparatus comprising a sub-duct and a remotely operable path-finding element arranged to facilitate insertion of the sub-duct into a duct.

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2. An apparatus as claimed in claim 1 in which the sub-duct is an elongate sleeve.

3. An apparatus as claimed in claim 1 or claim 2 wherein the path-finding element is a path-finding head.

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4. An apparatus as claimed in claim 3 wherein the head is detachable.

5. An apparatus as claimed in claim 3 or claim 4 in which the head is outwardly deformable.

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6. An apparatus as claimed in claim 4 or claim 5 in which the head includes a seal activated by pressurisation of the sub-duct.

7. An apparatus as claimed in claim 5 or claim 6 in which the head is outwardly deformable at the front end.

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8. An apparatus as claimed in claim 5 or claim 6 in which the head is outwardly deformable at a portion set back from the front end.

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9. An apparatus as claimed in any one of claims 1 to 4 in which the head has a cutting portion at the front end.

10. An apparatus as claimed in claim 9 in which the cutting portion is a chisel portion.

5 11. An apparatus as claimed in claim 9 in which the cutting portion is a rotational cutter.

12. An apparatus as claimed in claim 11 in which the cutter is activated by relative movement of the sub-duct and the cutter.

10 13. An apparatus as claimed in claim 12 in which a helical thread translates linear movement of the sub-duct to rotational movement of the cutter.

14. An apparatus for advancing a sub-duct into a main duct comprising apparatus as claimed in any preceding claim and means for advancing it.

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15. A method of inserting a sub-duct into a duct comprising advancing the sub-duct into the duct and remotely operating a path-finding element on the sub-duct to facilitate the insertion thereof.

20 16. An apparatus and method substantially as herein described in the specification with reference to the drawings.